



BUILDING CODE COMPLIANCE OFFICE (BCCO)  
PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA  
METRO-DADE FLAGLER BUILDING  
140 WEST FLAGLER STREET, SUITE 1603  
MIAMI, FLORIDA 33130-1563  
(305) 375-2901 FAX (305) 375-2908

## NOTICE OF ACCEPTANCE (NOA)

**PGT Industries**  
**1070 Technology Drive**  
**Nokomis, FL 34275**

### SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

### DESCRIPTION: Series "PW-701" Aluminum Picture Window-LMI

**APPROVAL DOCUMENT:** Drawing No. **4259-4**, titled "Aluminum Picture Window, Impact", sheets 1 through 10 of 10, prepared by manufacturer, dated 7/14/03, with revision "A", dated 12/15/03, signed and sealed by Robert L. Clark, P.E., bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Division.

### MISSILE IMPACT RATING: Large and Small Missile Impact

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Theodore Berman, P.E.**



NOA No 03-1105.01  
Expiration Date: February 19, 2009  
Approval Date: February 19, 2004  
Page 1

**PGT Industries**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.
2. Drawing No. **4259-4**, titled "Aluminum Picture Window, Impact", sheets 1 through 10 of 10, prepared by manufacturer, dated 7/14/03, with revision "A" dated 12/15/03, signed and sealed by Robert L. Clark, P.E.

**B. TESTS**

1. Test reports on 1) Air Infiltration Test, per FBC, TAS 202-94  
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94  
3) Water Resistance Test, per FBC, TAS 202-94  
4) Large Missile Impact Test per FBC, TAS 201-94  
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
along with marked-up drawings and installation diagram of an aluminum picture window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-3835**, dated 07/18/03, signed and sealed by Joseph Chan, P.E.
2. Test reports on 1) Air Infiltration Test, per FBC, TAS 202-94  
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94  
3) Water Resistance Test, per FBC, TAS 202-94  
4) Large Missile Impact Test per FBC, TAS 201-94  
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
along with marked-up drawings and installation diagram of an aluminum picture window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-3850**, dated 07/31/03, signed and sealed by Joseph Chan, P.E.

**C. CALCULATIONS**

1. Anchor Calculations, ASTM-E1300-98, and structural analysis, prepared by manufacturer, dated 10/31/03, signed and sealed by Robert L. Clark, P.E.

**D. QUALITY ASSURANCE**

1. Miami Dade Building Code Compliance Office (BCCO).

**E. MATERIAL CERTIFICATIONS**

1. Notice of Acceptance No. **02-0828.15** issued to E.I. DuPont DeNemours for "DuPont Butacite PVB Material" dated 11/21/02, expiring on 12/11/05.
2. Notice of Acceptance No. **01-0205.02** issued to Solutia, Inc. for "Saflex / Keepsafe Maximum" dated 5/17/01, expiring on 5/21/06.

  
Theodore Berman, P.E.

Deputy Director, Product Control Division

NOA No 03-1105.01

Expiration Date: February 19, 2009

Approval Date: February 19, 2004

**PGT Industries**

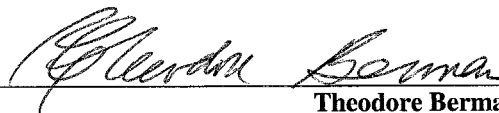
**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**F. STATEMENTS**

1. Laboratory compliance letter for Test Report no. **FTL-3835**, issued by Fenestration Testing Laboratory, Inc., dated 08/25/03, signed and sealed by Joseph Chan, P.E.
2. Laboratory compliance letter for Test Report no. **FTL-3850**, issued by Fenestration Testing Laboratory, Inc., dated 08/21/03, signed and sealed by Joseph Chan, P.E.

**G. OTHER**

1. Letter from the consultant stating that the product is in compliance with the Florida Building Code (FBC).

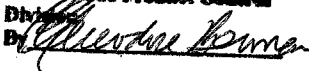



Theodore Berman, P.E.  
Deputy Director, Product Control Division  
NOA No 03-1105.01  
Expiration Date: February 19, 2009  
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NOTES: LARGE MISSILE WINDOWS


1. GLAZING OPTIONS:
- A. 7/16" LAMINATED GLASS COMPRISED OF (1) LITE OF 3/16" ANNEALED GLASS AND (1) LITE OF 3/16" HEAT STRENGTHENED GLASS WITH AN .090 INTERLAYER OF DUPONT BUTACITE OR SAFLEX KEEPSAFE MAXIMUM PVB.
  - B. 7/16" LAMINATED GLASS COMPRISED OF (2) LITES OF 3/16" HEAT STRENGTHENED GLASS GLASS WITH AN .090 INTERLAYER OF DUPONT BUTACITE OR SAFLEX KEEPSAFE MAXIMUM PVB.
  - C. 1 1/16" LAMI I.G. GLASS COMPRISED OF (1) LITE OF 3/16" HEAT STRENGTHENED GLASS, A 7/16" AIRSPACE AND 7/16" LAMINATED GLASS WHICH IS COMPRISED OF (1) LITE OF 3/16" ANNEALED GLASS AND (1) LITE OF 3/16" HEAT STRENGTHENED GLASS WITH AN .090 INTERLAYER OF DUPONT BUTACITE OR SAFLEX KEEPSAFE MAXIMUM PVB.
  - D. 1 1/16" LAMI I.G. GLASS COMPRISED OF (1) LITE OF 3/16" HEAT STRENGTHENED GLASS, A 7/16" AIRSPACE AND 7/16" LAMINATED GLASS WHICH IS COMPRISED OF (2) LITES OF 3/16" HEAT STRENGTHENED GLASS WITH AN .090 INTERLAYER OF DUPONT BUTACITE OR SAFLEX KEEPSAFE MAXIMUM PVB.
2. DESIGN PRESSURE RATINGS: (FLANGED - SEE SHEET 5, TABLE 1 AND INTEGRAL FIN - SEE SHEET 6, TABLE 2)
- A. NEGATIVE DESIGN LOADS BASED ON TESTED PRESSURE AND GLASS TABLES ASTM E 1300-98 (AND ASTM E 1300-94 OUTSIDE MIAMI-DADE COUNTY).
  - B. POSITIVE DESIGN LOADS BASED ON WATER TEST PRESSURE AND GLASS TABLES ASTM E 1300-98 (AND ASTM E 1300-94 OUTSIDE MIAMI-DADE COUNTY).
  - C. DESIGN PRESSURES UNDER 40 P.S.F. NOT APPLICABLE IN MIAMI-DADE COUNTY.
3. FLANGED UNIT ANCHORAGE: SINGLE ROW OF FASTENERS LOCATED AS FOLLOWS: (SEE SHEET 10, DETAILS C, D & E)
- HEAD & SILL: MAX. 8 1/2" FROM CORNERS  
MAX. 11" O.C.
- JAMBS:  MAX. 8 1/2" FROM CORNERS  
MAX. 11" O.C.
- (DESIGN PRESSURE LIMITED TO 60 P.S.F. WHEN ANCHORING WITH #12 SCREWS)
4. INTEGRAL FIN UNIT ANCHORAGE WITH NAILS: SINGLE ROW OF .130 DIA. x 2 1/2" LG. NAILS AS FOLLOWS: (SEE SHEET 10, DETAIL A)
- HEAD & SILL: AT EACH CORNER  
MAX. 5" O.C.
- JAMBS: AT EACH CORNER  
MAX. 5" O.C.
5. INTEGRAL FIN UNIT ANCHORAGE WITH #12 SCREWS: SINGLE ROW OF SCREWS AS FOLLOWS: (SEE SHEET 10, DETAIL B)
- HEAD & SILL: MAX. 8 1/2" FROM CORNERS  
MAX. 11" O.C.
- JAMBS:  MAX. 8 1/2" FROM CORNERS  
MAX. 11" O.C.
- (DESIGN PRESSURE LIMITED TO 60 P.S.F. WHEN ANCHORING WITH #12 SCREWS)
6. SHUTTER REQUIREMENT: NONE REQUIRED
7. NARROW JOINT SEALANT IS USED ON ALL FOUR CORNERS OF THE FRAME.
8. REFERENCE TEST REPORTS: FTL-3835 & FTL-3850

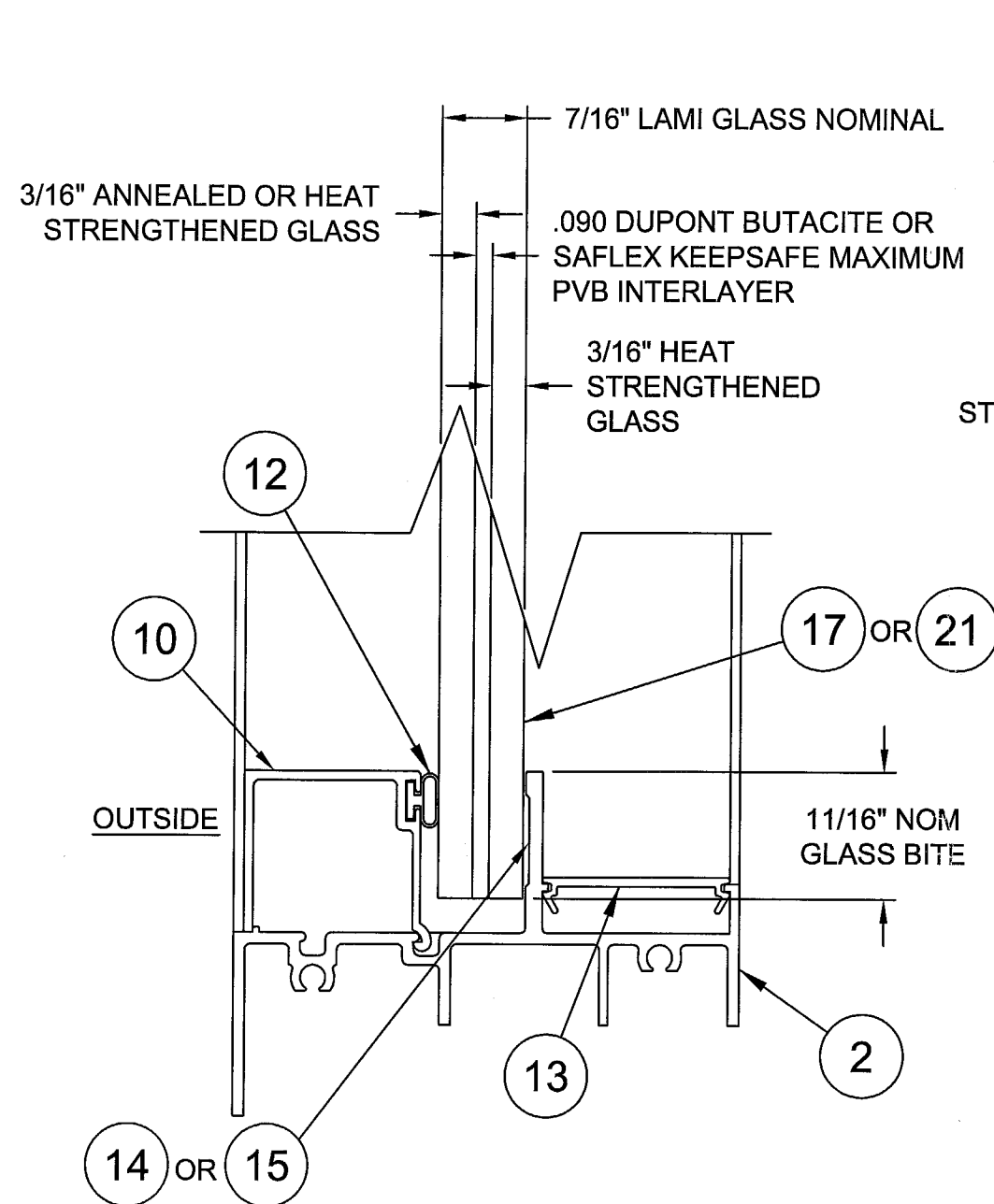
NOA DRAWING TABLE OF CONTENTS	
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Approved as complying with the  
Florida Building Code  
Date 02/19/04  
NOA 03-1105.01  
Miami Dade Product Control  
By 

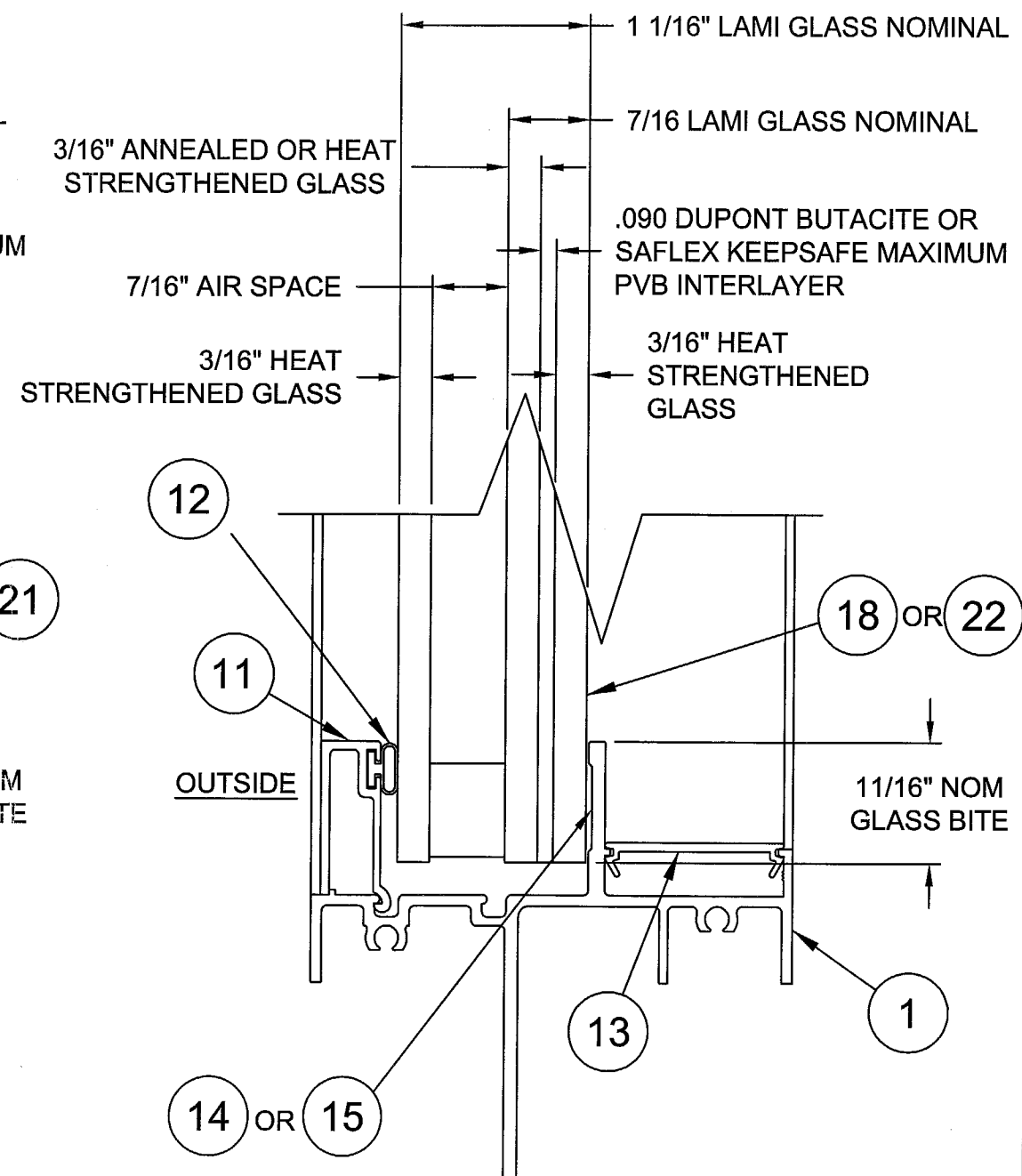
  
12/16/03

Robert L. Clark, P.E.  
PE #39712  
Structural

Revsd By:	Date:	Revisions:		1070 TECHNOLOGY DRIVE NOKOMIS, FL 34275  P.O. BOX 1529 NOKOMIS, FL 34274	 Visibly Better	Description: NOTES & TABLE OF CONTENTS					
Revsd By:	Date:	Revisions:				Title: ALUMINUM PICTURE WINDOW, IMPACT					
Revsd By:	Date:	Revisions:				Series/Model:	Scale:	Sheet:	Drawing No.	Rev:	
F.K.	12/15/03	A	REDUCE ANCHOR SPACING			PW-701	NTS	1 of 10	4259-4	A	
Drawn By:	Date:	Checked By:	Date:								
F.K.	7/14/03										




**7/16" LAMI GLAZING DETAIL  
FLANGED OR INTEGRAL FIN FRAME  
(FLANGE FRAME SHOWN)**



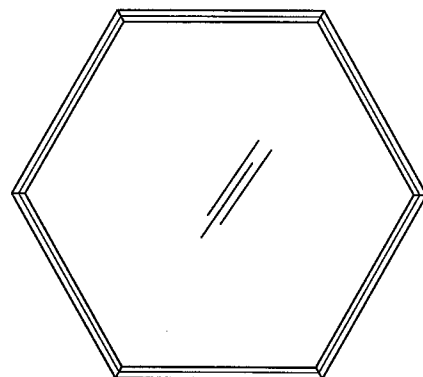
**1 1/16" LAMI I.G. GLAZING DETAIL  
FLANGED OR INTEGRAL FIN FRAME  
(INTEGRAL FIN FRAME SHOWN)**

Approved as complying with the  
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Date 02/19/04  
NOA# 03-1105-01  
Miami Dade Product Control  
Division  
By [Signature]

[Signature]  
12/16/03

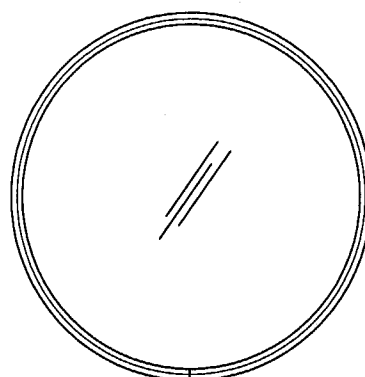
Revsd By:	Date:	Revisions:			1070 TECHNOLOGY DRIVE NOKOMIS, FL 34275  P.O. BOX 1529 NOKOMIS, FL 34274	 Visibly Better	Description: GLAZING DETAILS					Rev: A
Revsd By:	Date:	Revisions:					Title: ALUMINUM PICTURE WINDOW, IMPACT					
Revsd By: F.K.	Date: 12/15/03	Revisions: A	NO CHANGE THIS SHEET				Series/Model: PW-701	Scale: NTS	Sheet: 2 of 10	Drawing No. 4259-4		
Drawn By: F.K.	Date: 7/14/03	Checked By:	Date:									

Robert L. Clark, P.E.  
PE #39712  
Structural



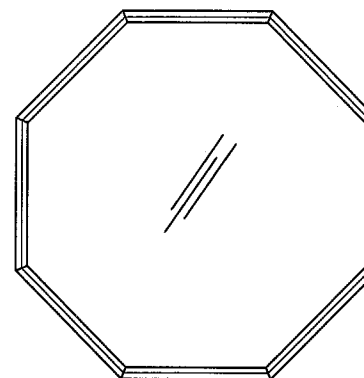
**HEXAGON**

MAX. SIZE = 60" BETWEEN FLATS  
OR MAX. AREA = 21.65 SQ. FT.



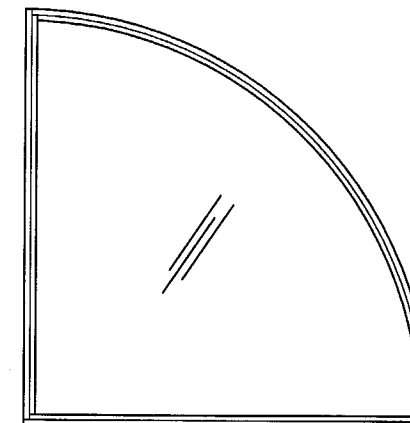
**FULL CIRCLE**

MAX. SIZE = 60" DIA.  
OR MAX. AREA = 19.63 SQ. FT.



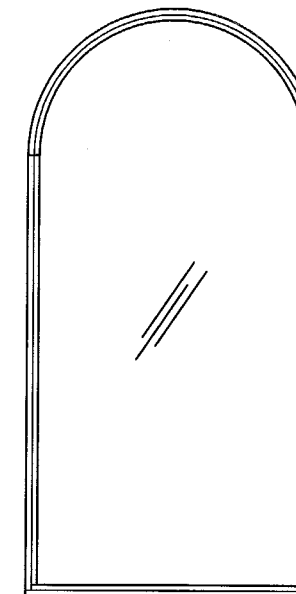
**OCTAGON**

MAX. SIZE = 60" BETWEEN FLATS  
OR MAX. AREA = 20.71 SQ. FT.



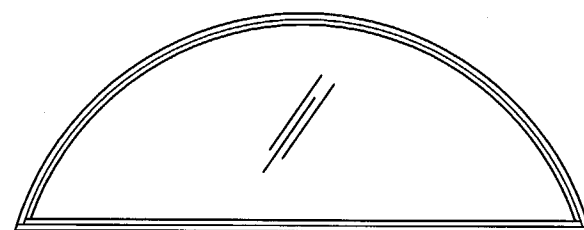
**QUARTER CIRCLE**

MAX. SIZE = 68" X 68"  
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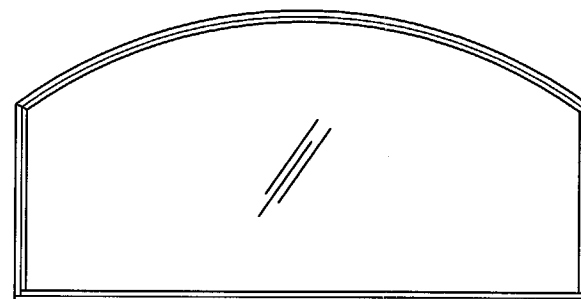
**ARCH.**

MAX. SIZE = 48" X 96"  
OR MAX. AREA = 30.28 SQ. FT.



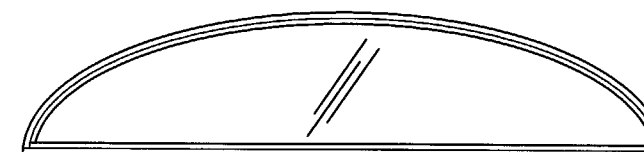
**FAN**

MAX. SIZE = 96" X 47"  
OR MAX. AREA = 24.47 SQ. FT.



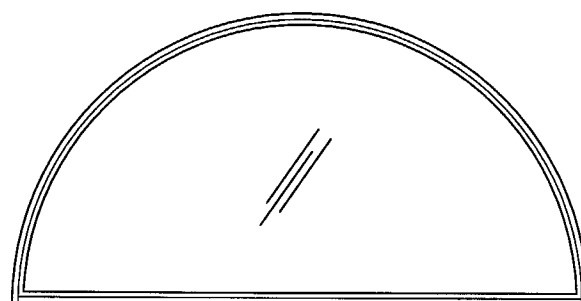
**EYEBROW**

MAX. SIZE = 96" X 48"  
OR MAX. AREA = 31.99 SQ. FT.



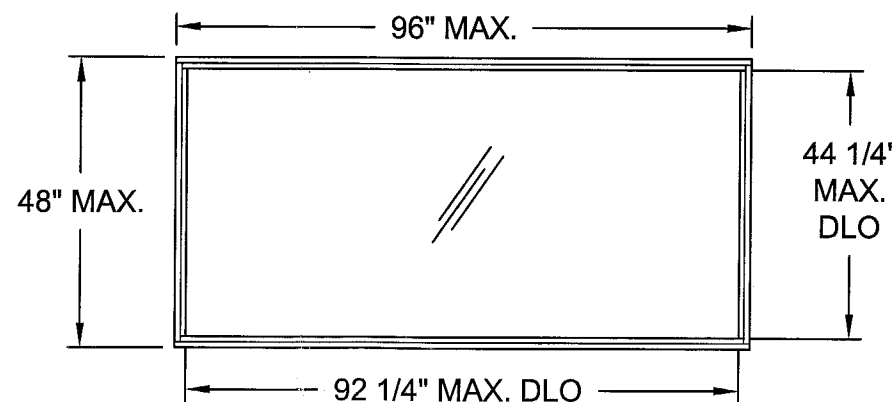
**ELLIPTICAL**

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OR MAX. AREA = 31.99 SQ. FT.



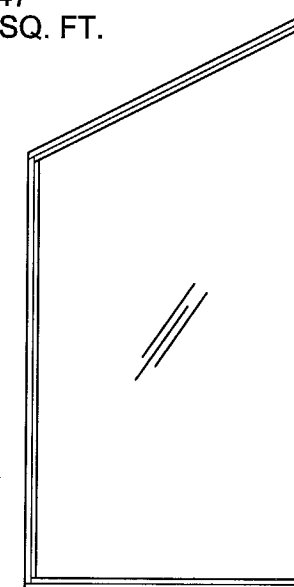
**HALF CIRCLE**

MAX. SIZE = 96" X 48"  
OR MAX. AREA = 25.13 SQ. FT.



**RECTANGLE**

MAX. SIZE = 48" X 96"  
OR MAX. AREA = 32.00 SQ. FT.



**TRAPEZOID**

MAX. SIZE = 48" X 96"  
OR MAX. AREA = 31.99 SQ. FT.

**NOTE:**

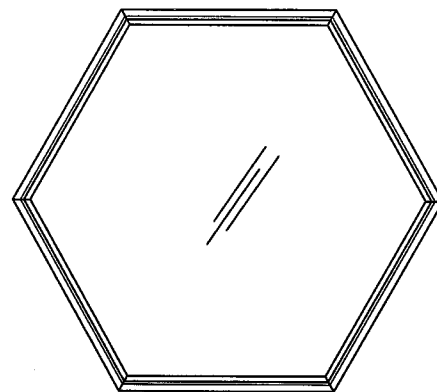
FOR ANCHORAGE INFORMATION SEE NOTE 3, SHEET 1  
AND SHEET 10, DETAILS C, D & E.

Revsd By:	Date:	Revisions:		1070 TECHNOLOGY DRIVE NOKOMIS, FL 34275  P.O. BOX 1529 NOKOMIS, FL 34274	<b>PGI</b> Visibly Better	Description: <b>FLANGED ELEVATIONS</b>					
Revsd By:	Date:	Revisions:				Title: <b>ALUMINUM PICTURE WINDOW, IMPACT</b>					
Revsd By:	Date:	Revisions:				Series/Model:	Scale:	Sheet:	Drawing No.	Rev:	
Drawn By:	Date:	Checked By:	Date:			PW-701	NTS	3 of 10	4259-4	A	

Approved as complying with the  
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Date 02/19/04  
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Miami Dade Product Control  
Division  
By *[Signature]*

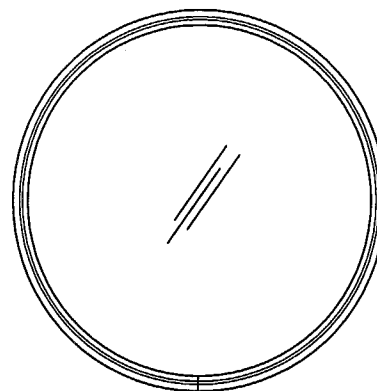
*[Signature]*  
12/16/03

Robert L. Clark, P.E.  
PE #39712  
Structural



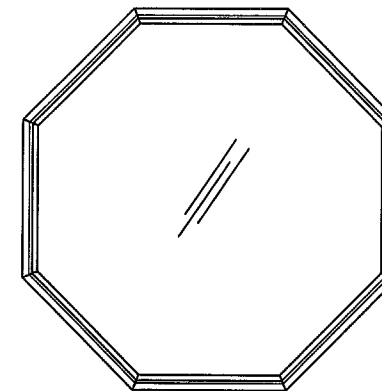
# HEXAGON

MAX. SIZE = 60" BETWEEN FLATS  
OR MAX. AREA = 21.65 SQ. FT.



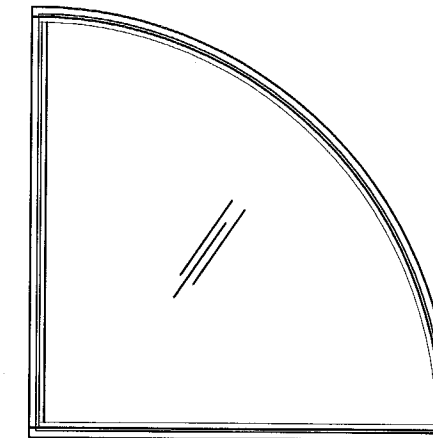
## FULL CIRCLE

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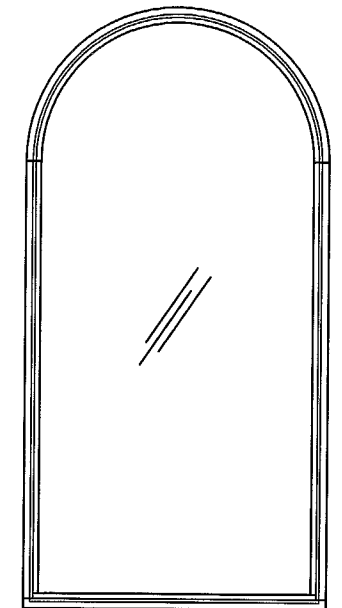
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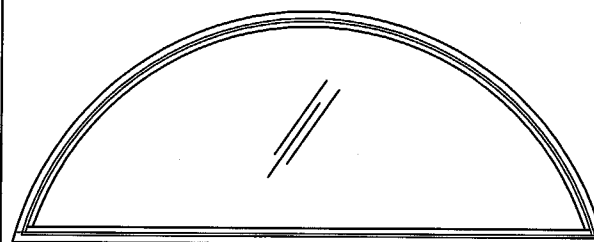
## QUARTER CIRCLE

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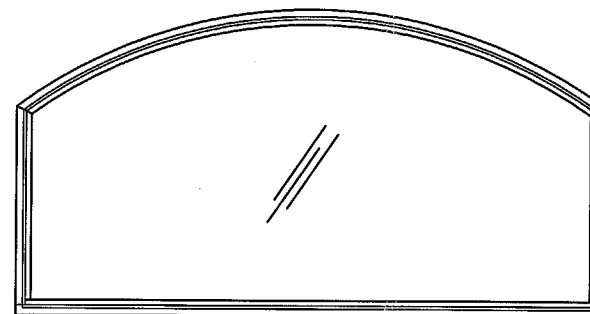
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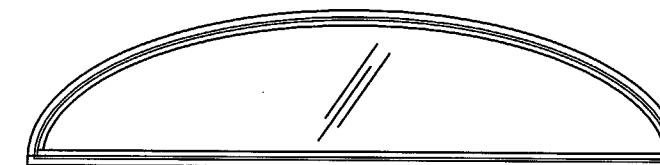
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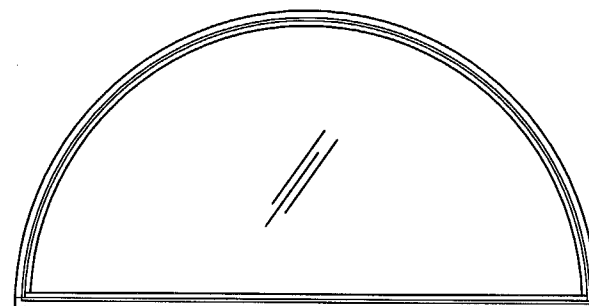
## EYEBROW

MAX. SIZE = 96" X 48"  
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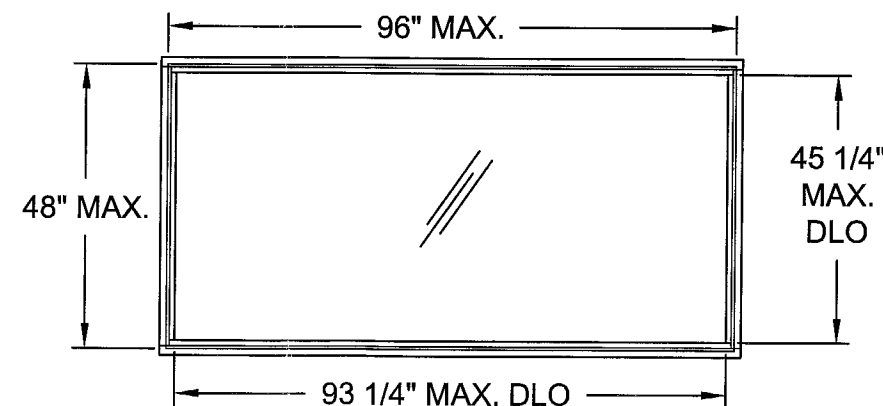
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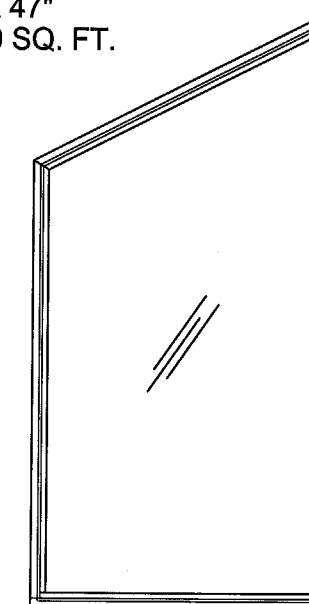
## HALF CIRCLE

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## RECTANGLE

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## TRAPEZOID

MAX. SIZE = 48" X 96"  
OR MAX. AREA = 31.99 SQ. FT.

**NOTE:**

FOR ANCHORAGE INFORMATION SEE NOTES 4 & 5, SHEET 1  
AND SHEET 10, DETAILS A & B.

Revsd By:	Date:	Revisions:	1070 TECHNOLOGY DRIVE NOKOMIS, FL 34275  P.O. BOX 1529 NOKOMIS, FL 34274			Description: INTEGRAL FIN ELEVATIONS				
Revsd By:	Date:	Revisions:				Title: ALUMINUM PICTURE WINDOW, IMPACT				
Revsd By: F.K.	Date: 12/15/03	Revisions: A				NO CHANGE THIS SHEET				
Drawn By: F.K.	Date: 7/14/03	Checked By:	Date:			Series/Model: PW-701	Scale: NTS	Sheet: 4 of 10	Drawing No. 4259-4	Rev: A


Approved as complying with the  
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Date 02/19/04  
NOA# 03-1105-01  
Miami Dade Product Control  
Division  
By [Signature]

12/16/03

Robert L. Clark, P.E.  
PE #39712  
Structural

COMPARATIVE ANALYSIS TABLE 1.															
GLASS TYPE:		A. 7/16" LAMINATED GLASS (3/16"A, .090, 3/16HS)												FTL-3835	
		B. 7/16" LAMINATED GLASS (3/16"HS, .090, 3/16HS)												FTL-3835	
		C. 1 1/16" LAMI I.G., 3/16HS, 7/16" SPACE, 7/16" LAMI (3/16A, .090, 3/16" HS)												FTL-3850	
		D. 1 1/16" LAMI I.G., 3/16HS, 7/16" SPACE, 7/16" LAMI (3/16HS, .090, 3/16" HS)												FTL-3850	
WINDOW WIDTH		WINDOW HEIGHT													
		28.500		34.000		39.500		45.000		46.500		48.000			
49.000	A&C	80.0	-80.0	80.0	-80.0	80.0	-80.0	80.0	-80.0	80.0	-80.0	80.0	-80.0		
	B&D	80.0	-80.0	80.0	-80.0	80.0	-80.0	80.0	-80.0	80.0	-80.0	80.0	-80.0		
AREA SQ.FT.		9.698		11.569		13.441		15.313		15.823		16.333			
54.500	A&C	80.0	-80.0	80.0	-80.0	80.0	-80.0	76.7	-76.7	74.0	-75.2	74.0	-74.0		
	B&D	80.0	-80.0	80.0	-80.0	80.0	-80.0	80.0	-80.0	80.0	-80.0	80.0	-80.0		
AREA SQ.FT.		10.786		12.868		14.950		17.031		17.599		18.167			
60.000	A&C	80.0	-80.0	80.0	-80.0	74.0	-74.0	69.9	-69.9	67.2	-68.6	67.2	-67.2		
	B&D	80.0	-80.0	80.0	-80.0	80.0	-80.0	80.0	-80.0	80.0	-80.0	80.0	-80.0		
AREA SQ.FT.		11.875		14.167		16.458		18.750		19.375		20.000			
65.500	A&C	80.0	-80.0	80.0	-80.0	68.5	-68.5	63.5	-63.5	61.3	-62.3	61.3	-61.3		
	B&D	80.0	-80.0	80.0	-80.0	80.0	-80.0	80.0	-80.0	80.0	-80.0	80.0	-80.0		
AREA SQ.FT.		12.964		15.465		17.967		20.469		21.151		21.833			
71.000	A&C	80.0	-80.0	79.4	-79.4	63.7	-63.7	57.9	-57.9	56.1	-57.1	56.1	-56.1		
	B&D	80.0	-80.0	80.0	-80.0	80.0	-80.0	80.0	-80.0	80.0	-80.0	80.0	-80.0		
AREA SQ.FT.		14.052		16.764		19.476		22.188		22.927		23.667			
76.500	A&C	80.0	-80.0	76.8	-76.8	59.7	-59.7	52.8	-52.8	51.9	-52.1	51.9	-51.9		
	B&D	80.0	-80.0	80.0	-80.0	80.0	-80.0	80.0	-80.0	80.0	-80.0	80.0	-80.0		
AREA SQ.FT.		15.141		18.063		20.984		23.906		24.703		25.500			
82.000	A&C	80.0	-80.0	74.1	-74.1	56.5	-56.5	48.3	-48.3	47.6	-48.0	47.6	-47.6		
	B&D	80.0	-80.0	80.0	-80.0	80.0	-80.0	80.0	-80.0	80.0	-80.0	80.0	-80.0		
AREA SQ.FT.		16.229		19.361		22.493		25.625		26.479		27.333			
87.500	A&C	80.0	-80.0	70.7	-70.7	53.6	-53.6	43.6	-43.6	43.4	-43.2	43.4	-43.4		
	B&D	80.0	-80.0	80.0	-80.0	80.0	-80.0	80.0	-80.0	80.0	-80.0	80.0	-80.0		
AREA SQ.FT.		17.318		20.660		24.002		27.344		28.255		29.167			
93.000	A&C	80.0	-80.0	69.1	-69.1	51.4	-51.4	42.5	-42.5	40.7	-41.0	40.7	-40.7		
	B&D	80.0	-80.0	80.0	-80.0	80.0	-80.0	80.0	-80.0	80.0	-80.0	79.4	-79.4		
AREA SQ.FT.		18.406		21.958		25.510		29.063		30.031		31.000			
96.000	A&C	80.0	-80.0	68.8	-68.8	50.4	-50.4	41.6	-41.6	39.4	-40.1	39.4	-39.4		
	B&D	80.0	-80.0	80.0	-80.0	80.0	-80.0	80.0	-80.0	80.0	-80.0	76.6	-76.6		
AREA SQ.FT.		19.000		22.667		26.333		30.000		31.000		32.000			

- NOTES:
- TABLE 1 PRESSURES ARE BASED ON THE LARGEST TESTED SIZE RECTANGULAR WINDOW ANCHORED WITH 1/4" TAPCONS. DESIGN PRESSURES ARE LIMITED TO +/-60 P.S.F. WHEN ANCHORING WITH #12 SCREWS.
  - ALL MAXIMUM SIZES SHOWN ON SHEET 3 ARE QUALIFIED TO THE PRESSURE OF A 32 SQ. FT. UNIT IN TABLE 1.
  - ALL SHAPES LESS THAN THE MAXIMUM SIZE, QUALIFY TO PRESSURE FOR THE MAXIMUM SIZE LISTED IN TABLE 1, OR TO THE PRESSURE FOR THE SMALLEST RECTANGULAR SIZE IN TABLE 1, WHICH THEIR OVERALL WIDTH AND HEIGHT DIMENSIONS COMPLETELY FIT WITHIN.

Revsd By:	Date:	Revisions:		1070 TECHNOLOGY DRIVE NOKOMIS, FL 34275  P.O. BOX 1529 NOKOMIS, FL 34274		Description: FLANGED UNIT DESIGN PRESSURES						
Revsd By:	Date:	Revisions:				Title: ALUMINUM PICTURE WINDOW, IMPACT						
Revsd By:	Date:	Revisions:				Series/Model:	Scale:	Sheet:	Drawing No.	Rev:		
F.K.	12/15/03	A	CHANGE NOTE 1 ANCHORING WITH #12 SCREWS			PW-701	NTS	5 of 10	4259-4	A		


Approved as complying with the  
Florida Building Code  
Date 02/19/04  
NOA# 02-1105-01  
Miami Code Product Control  
Division  
By: *[Signature]*

Robert L. Clark, P.E.  
PE #39712  
Structural



COMPARATIVE ANALYSIS TABLE 2.														
GLASS TYPE:		A. 7/16" LAMINATED GLASS (3/16"A, .090, 3/16HS)												FTL-3835
		B. 7/16" LAMINATED GLASS (3/16"HS, .090, 3/16HS)												FTL-3835
		C. 1 1/16" LAMI I.G., 3/16HS, 7/16" SPACE, 7/16" LAMI (3/16A, .090, 3/16" HS)												FTL-3850
		D. 1 1/16" LAMI I.G., 3/16HS, 7/16" SPACE, 7/16" LAMI (3/16HS, .090, 3/16" HS)												FTL-3850
WINDOW WIDTH		WINDOW HEIGHT												
		28.500		34.000		39.500		45.000		46.500		48.000		
49.000	A&C	80.0	-80.0	80.0	-80.0	80.0	-80.0	80.0	-80.0	79.4	-80.0	79.4	-79.4	
	B&D	80.0	-80.0	80.0	-80.0	80.0	-80.0	80.0	-80.0	80.0	-80.0	80.0	-80.0	
AREA SQ.FT.		9.698		11.569		13.441		15.313		15.823		16.333		
54.500	A&C	80.0	-80.0	80.0	-80.0	78.9	-78.9	74.3	-74.3	71.9	-73.1	71.9	-71.9	
	B&D	80.0	-80.0	80.0	-80.0	80.0	-80.0	80.0	-80.0	80.0	-80.0	80.0	-80.0	
AREA SQ.FT.		10.786		12.868		14.950		17.031		17.599		18.167		
60.000	A&C	80.0	-80.0	80.0	-80.0	72.2	-72.2	67.8	-67.8	65.0	-66.4	65.0	-65.0	
	B&D	80.0	-80.0	80.0	-80.0	80.0	-80.0	80.0	-80.0	80.0	-80.0	80.0	-80.0	
AREA SQ.FT.		11.875		14.167		16.458		18.750		19.375		20.000		
65.500	A&C	80.0	-80.0	78.9	-78.9	65.5	-65.5	61.7	-61.7	59.6	-60.7	59.6	-59.6	
	B&D	80.0	-80.0	80.0	-80.0	80.0	-80.0	80.0	-80.0	80.0	-80.0	80.0	-80.0	
AREA SQ.FT.		12.964		15.465		17.967		20.469		21.151		21.833		
71.000	A&C	80.0	-80.0	75.3	-75.3	61.1	-61.1	56.4	-56.4	54.6	-55.5	54.6	-54.6	
	B&D	80.0	-80.0	80.0	-80.0	80.0	-80.0	80.0	-80.0	80.0	-80.0	80.0	-80.0	
AREA SQ.FT.		14.052		16.764		19.476		22.188		22.927		23.667		
76.500	A&C	80.0	-80.0	72.6	-72.6	57.1	-57.1	51.5	-51.5	51.0	-51.3	51.0	-51.0	
	B&D	80.0	-80.0	80.0	-80.0	80.0	-80.0	80.0	-80.0	80.0	-80.0	80.0	-80.0	
AREA SQ.FT.		15.141		18.063		20.984		23.906		24.703		25.500		
82.000	A&C	80.0	-80.0	69.4	-69.4	53.8	-53.8	47.2	-47.2	46.6	-46.9	46.6	-46.6	
	B&D	80.0	-80.0	80.0	-80.0	80.0	-80.0	80.0	-80.0	80.0	-80.0	80.0	-80.0	
AREA SQ.FT.		16.229		19.361		22.493		25.625		26.479		27.333		
87.500	A&C	80.0	-80.0	66.4	-66.4	51.0	-51.0	42.6	-42.6	43.1	-42.7	43.1	-43.1	
	B&D	80.0	-80.0	80.0	-80.0	80.0	-80.0	80.0	-80.0	80.0	-80.0	80.0	-80.0	
AREA SQ.FT.		17.318		20.660		24.002		27.344		28.255		29.167		
93.000	A&C	80.0	-80.0	65.0	-65.0	48.9	-48.9	41.2	-41.2	40.4	-40.2	40.4	-40.4	
	B&D	80.0	-80.0	80.0	-80.0	80.0	-80.0	80.0	-80.0	79.7	-79.7	76.0	-76.0	
AREA SQ.FT.		18.406		21.958		25.510		29.063		30.031		31.000		
96.000	A&C	80.0	-80.0	63.9	-63.9	48.0	-48.0	40.2	-40.2	39.0	-38.9	39.0	-39.0	
	B&D	80.0	-80.0	80.0	-80.0	80.0	-80.0	80.0	-80.0	76.9	-76.9	73.1	-73.1	
AREA SQ.FT.		19.000		22.667		26.333		30.000		31.000		32.000		

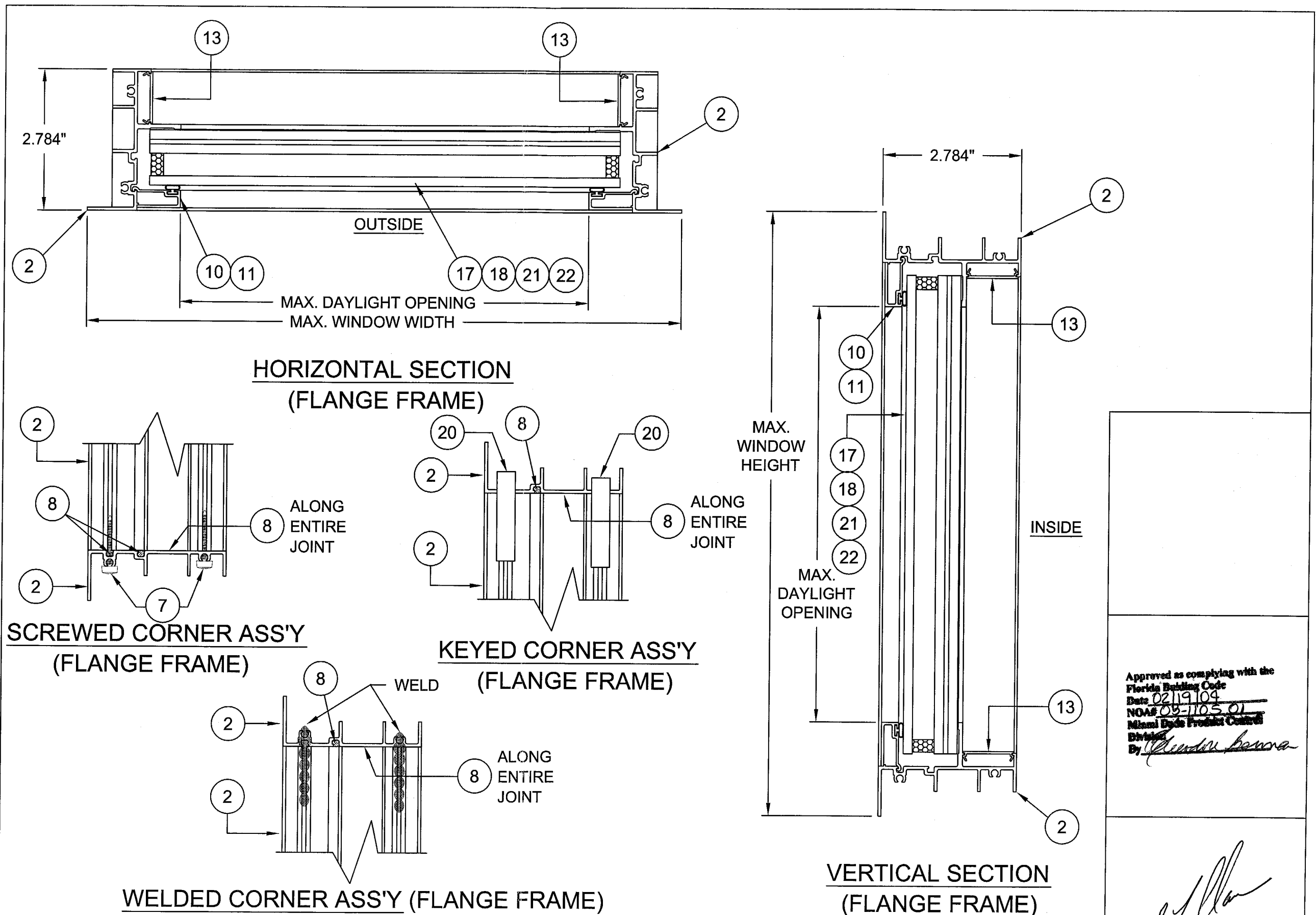
- NOTES:
- TABLE 2 PRESSURES ARE BASED ON THE LARGEST TESTED SIZE RECTANGULAR WINDOW ANCHORED WITH 1/4" TAPCONS. DESIGN PRESSURES ARE LIMITED TO +/-60 P.S.F. WHEN ANCHORING WITH #12 SCREWS.
  - ALL MAXIMUM SIZES SHOWN ON SHEET 4 ARE QUALIFIED TO THE PRESSURE OF A 32 SQ. FT. UNIT IN TABLE 2.
  - ALL SHAPES LESS THAN THE MAXIMUM SIZE, QUALIFY TO PRESSURE FOR THE MAXIMUM SIZE LISTED IN TABLE 2, OR TO THE PRESSURE FOR THE SMALLEST RECTANGULAR SIZE IN TABLE 2, WHICH THEIR OVERALL WIDTH AND HEIGHT DIMENSIONS COMPLETELY FIT WITHIN.

Revsd By:	Date:	Revisions:		1070 TECHNOLOGY DRIVE NOKOMIS, FL 34275  P.O. BOX 1529 NOKOMIS, FL 34274	 Visibly Better	Description: <b>INTEGRAL FIN UNIT DESIGN PRESSURES</b>												
Revsd By:	Date:	Revisions:				Title: <b>ALUMINUM PICTURE WINDOW, IMPACT</b>												
Revsd By:	Date:	Revisions:				Series/Model:												
Revsd By:	Date:	Revisions:				Scale:												
Drawn By:	Date:	Checked By:	Date:	CHANGE NOTE 1 ANCHORING WITH #12 SCREWS				Sheet:		Drawing No.		Rev:						
F.K.	12/15/03	A						PW-701		NTS		6 of 10		4259-4		A		
F.K.	7/14/03																	

Approved as complying with the  
Florida Building Code  
Date: 02/19/04  
NOA# 03-1105.01  
Miami Date Product Control  
Division  
By: *[Signature]*


*[Signature]*  
12/16/03

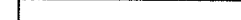
Robert L. Clark, P.E.  
PE #39712  
Structural



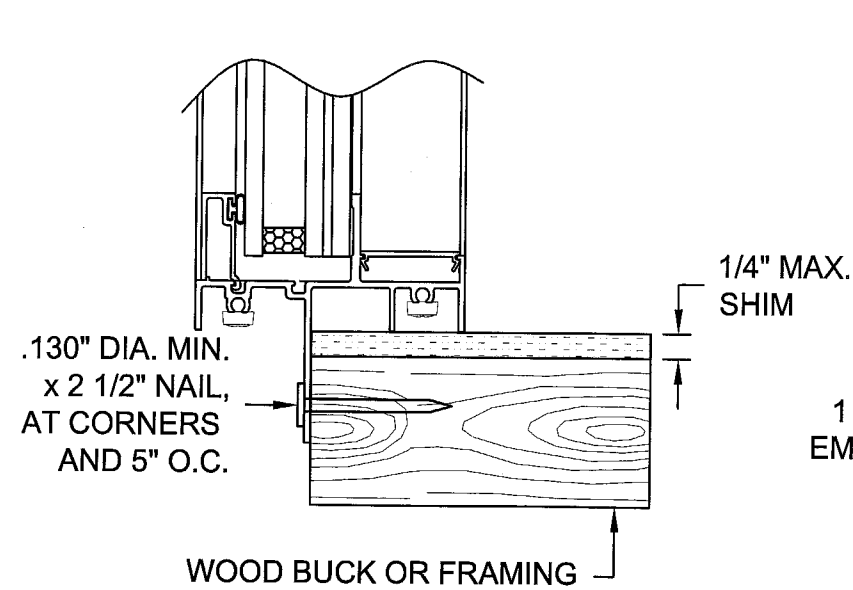
Approved as complying with the  
Florida Building Code  
Date 02/19/04  
NOAC 03-1105.01  
Miami Code Product Control  
By *Chandra Sena*

*Robert L. Clark*  
12/16/03  
Robert L. Clark, P.E.  
PE #39712  
Structural

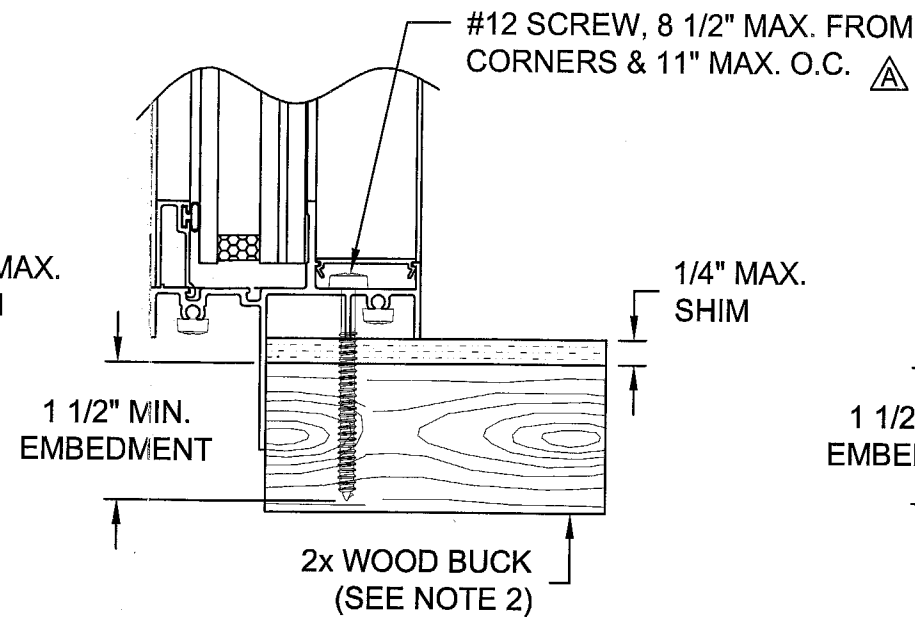
Revsd By:	Date:	Revisions:			1070 TECHNOLOGY DRIVE NOKOMIS, FL 34275  P.O. BOX 1529 NOKOMIS, FL 34274	 Visibly Better	Description: <b>SECTIONS &amp; CORNER ASS'Y, FLANGED</b>					Rev: <b>A</b>
Revsd By:	Date:	Revisions:					Title: <b>ALUMINUM PICTURE WINDOW, IMPACT</b>					
Revsd By: F.K.	Date: 12/15/03	Revisions: A	NO CHANGE THIS SHEET				Series/Model: PW-701	Scale: NTS	Sheet: 7 of 10	Drawing No. 4259-4		
Drawn By: F.K.	Date: 7/14/03	Checked By:	Date:									

Revsd By:	Date:	Revisions:		1070 TECHNOLOGY DRIVE NOKOMIS, FL 34275  P.O. BOX 1529 NOKOMIS, FL 34274		Description: <b>SECTIONS, INTEGRAL FIN</b>				
Revsd By:	Date:	Revisions:				Title: <b>ALUMINUM PICTURE WINDOW, IMPACT</b>				
Revsd By: F.K.	Date: 12/15/03	Revisions: A	NO CHANGE THIS SHEET			Series/Model: PW-701	Scale: NTS	Sheet: 8 of 10	Drawing No. 4259-4	Rev: A
Drawn By: F.K.	Date: 7/14/03	Checked By:	Date:							

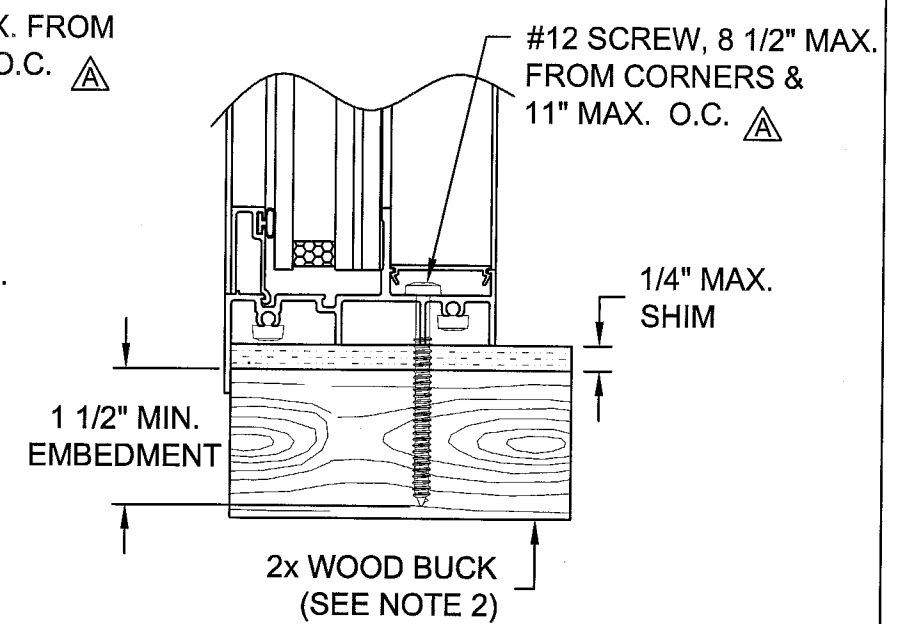




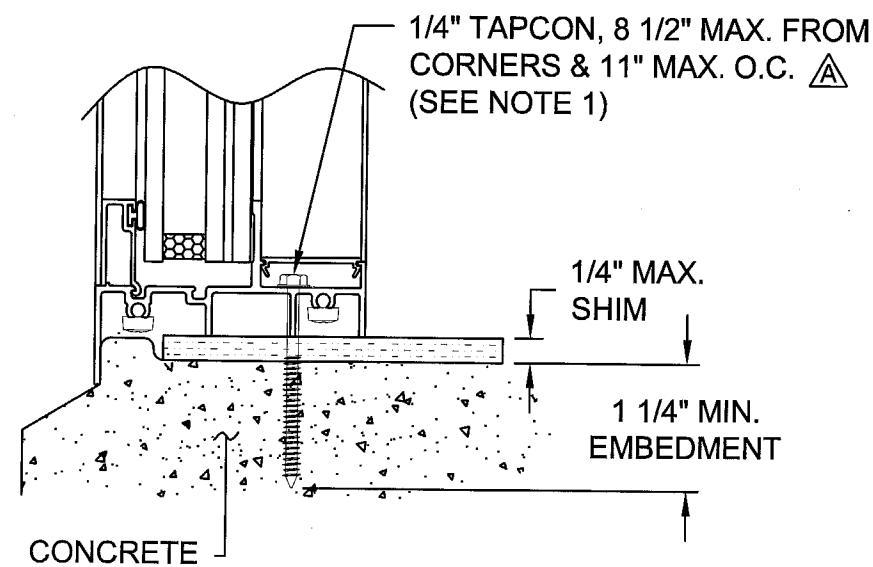
**INTEGRAL FIN DETAIL A**



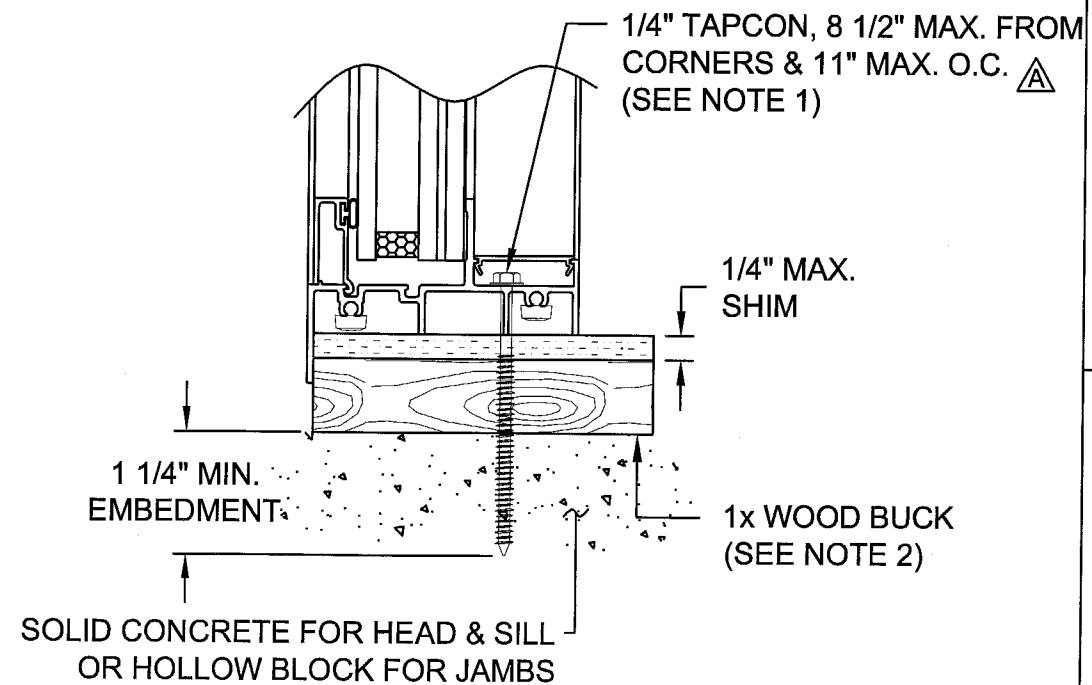
**INTEGRAL FIN DETAIL B**



**FLANGED DETAIL C**




**FLANGED DETAIL D (SILL ONLY)**




**FLANGED DETAIL E**

**NOTES:**

1. USE ONLY MIAMI-DADE COUNTY APPROVED ELCO TAPCONS. ⚠
2. A - IN MIAMI-DADE COUNTY INSTALLATION TO THE SUBSTRATE OF WOOD BUCKS TO BE ENGINEERED, PROPERLY ATTACHED TO TRANSFER LOAD AND TO BE REVIEWED BY BUILDING OFFICIAL.
- B - OUTSIDE MIAMI-DADE COUNTY INSTALLATION TO THE SUBSTRATE OF WOOD BUCKS TO BE ENGINEERED BY OTHERS OR AS APPROVED BY BUILDING OFFICIAL.

Revsd By:	Date:	Revisions:		1070 TECHNOLOGY DRIVE NOKOMIS, FL 34275  P.O. BOX 1529 NOKOMIS, FL 34274	 Visibly Better	Description: <b>ANCHORAGE - HEAD, SILL AND JAMBS</b>				
Revsd By:	Date:	Revisions:				Title: <b>ALUMINUM PICTURE WINDOW, IMPACT</b>				
Revsd By: F.K.	Date: 12/15/03	Revisions: A	CHANGE NOTE 1 AND FASTENER SPACING							
Drawn By: F.K.	Date: 7/14/03	Checked By:	Date:				Series/Model: PW-701	Scale: NTS	Sheet: 10 of 10	Drawing No. 4259-4

Approved as complying with the  
Building Code  
Date: 02/19/04  
FOCA: 03-1103.01  
Miami Dade Product Control  
Division  
By: 

  
12/16/02

Robert L. Clark, P.E.  
PE #39712  
Structural